



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Chul-Hwan KIM et al.  
Title: METHOD FOR DETECTING FAULT ON TRANSMISSION LINES BY  
USING HARMONICS AND STATE TRANSITION DIAGRAM  
Appl. No.: 10/731,467  
Filing Date: 12/10/2003  
Examiner: Bryan Bui  
Art Unit: 2863  
Conf. No.: 5396

**TRANSMITTAL OF FORMAL REPLACEMENT DRAWINGS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

ATTENTION: DRAWING REVIEW BRANCH

Sir:

Transmitted herewith are the formal replacement drawings (2 sheets, Figures 1 and 2) for the above-identified application, which labels the figures as "prior art". The Official Draftsperson is respectfully requested to approve these drawings for entry into the application.

Respectfully submitted,

Date 7/22/05

By William T. Ellis

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